

# Divisibility Rules

- 1) Identify and use divisibility rules

Assessment limit: Use the rules for 2, 5, or 10 with whole numbers (0 – 1000)

Lesson objectives

Teachers' notes

Subject: Mathematics

Topic: Apply Number Relationships

Grade(s): 4

Prior knowledge: even and odd numbers

Cross-curricular link(s): n/a

### Lesson notes:


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This is a whole group lesson to introduce divisibility rules.

Lesson objectives

Teachers' notes

Explore the numbers  
to come up with a  
rule for divisibility.

What do  
you notice  
about the  
numbers

The following numbers  
are divisible by 2.

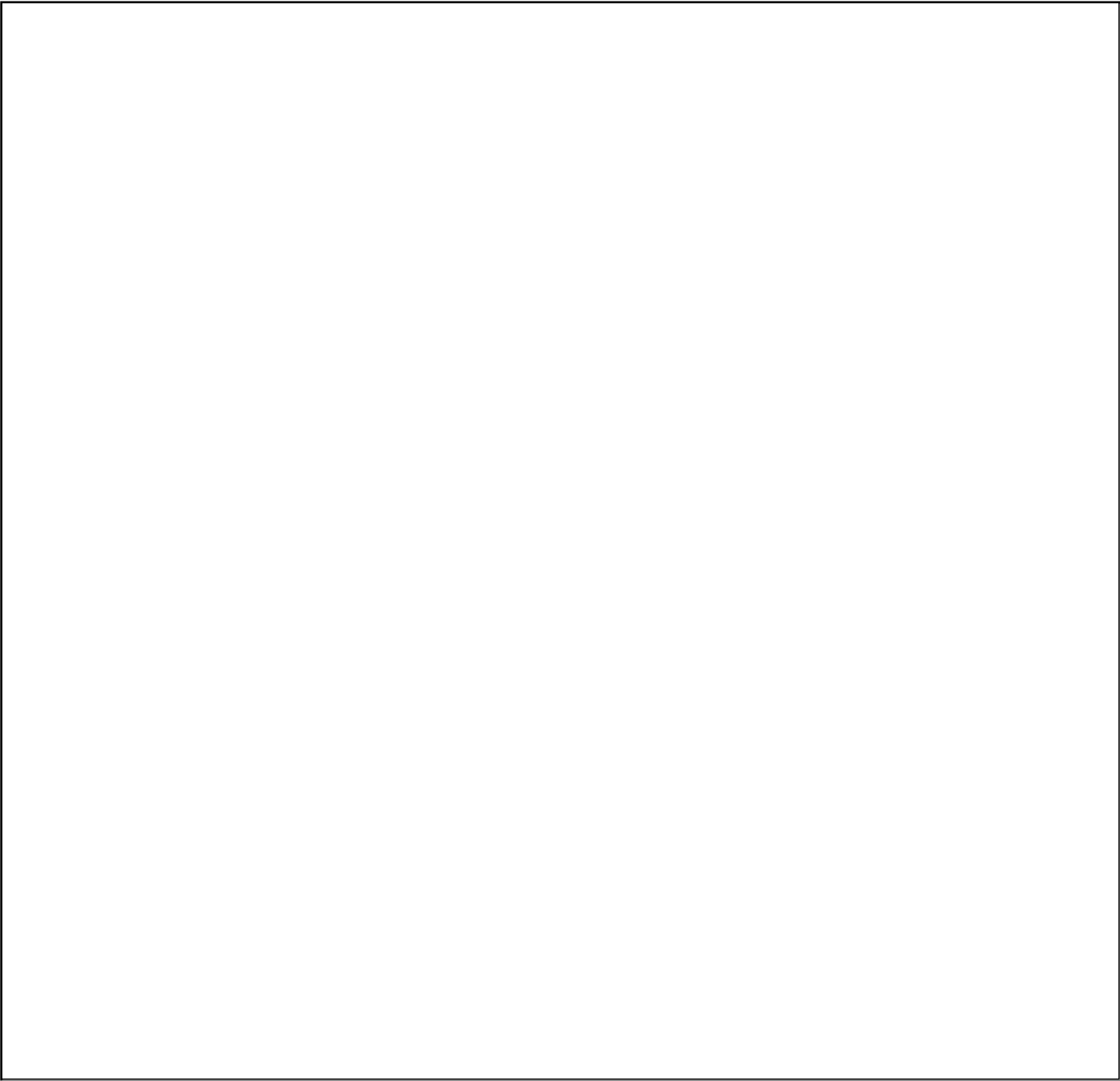
124  
246  
420  
538  
366  
912  
678  
754

All of these  
numbers  
end with an  
even digit  
(0, 2, 4, 6, 8)

The following numbers  
are NOT divisible by 2.

421  
345  
527  
131  
363  
919  
273  
757

All of these  
numbers  
end with an  
odd digit  
(1, 3, 5, 7, 9)



Explore the numbers  
to come up with a  
rule for divisibility.

What do  
you notice  
about the  
numbers

The following numbers  
are divisible by 5.

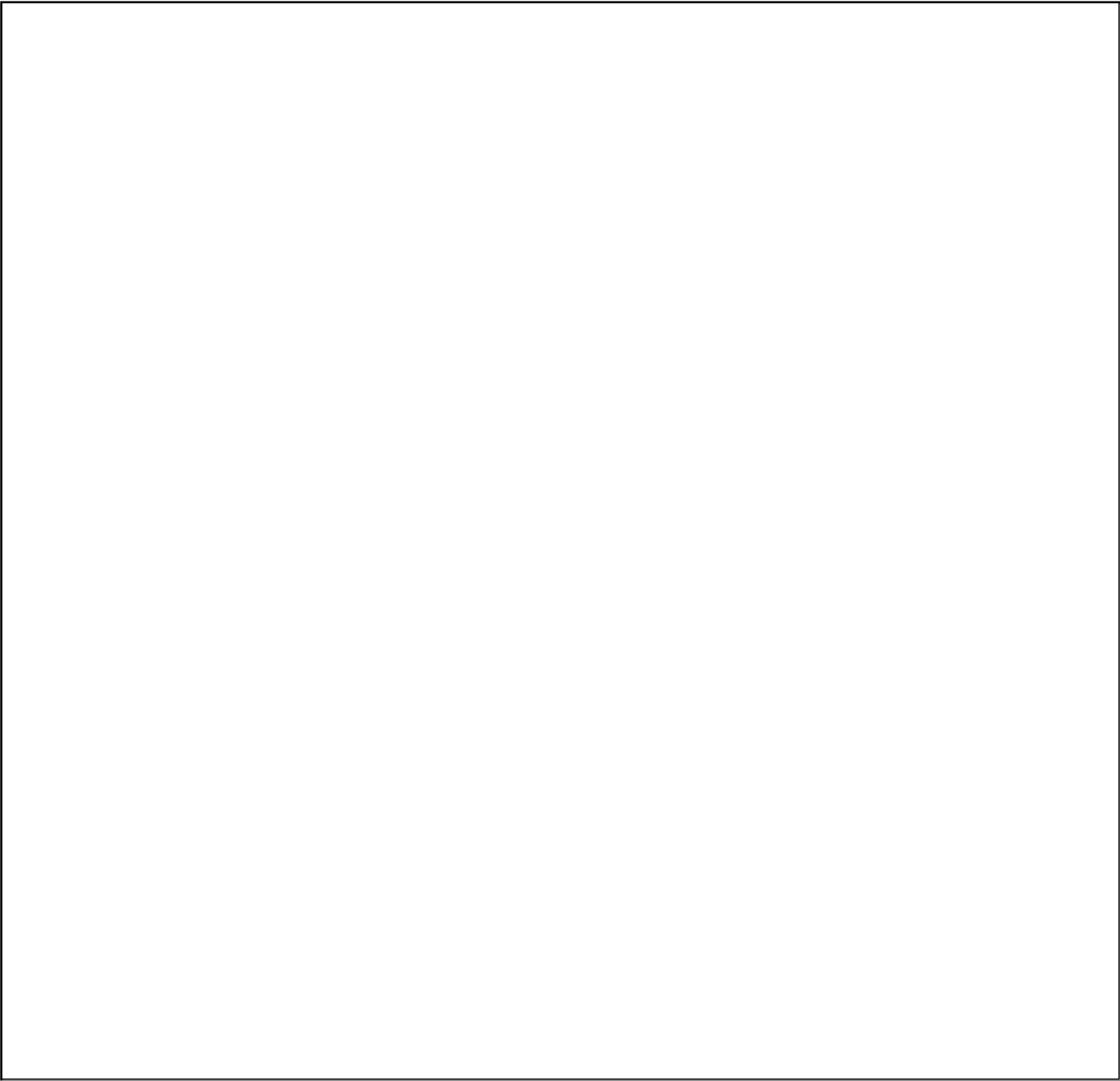
125  
245  
420  
535  
360  
910  
675  
750

All of these  
numbers  
end with a 5  
or 0


The following numbers  
are NOT divisible by 5.

421  
333  
527  
231  
363  
919  
273  
157

All of these  
numbers **DO**  
**NOT** end with  
5 or 0



Explore the numbers  
to come up with a  
rule for divisibility.

What do  
you notice  
about the  
numbers

The following numbers  
are divisible by 10.

520  
640  
220  
530  
460  
910  
370  
750

All of these  
numbers  
end with a 0

The following numbers  
are NOT divisible by 10.

424  
331  
527  
231  
362  
915  
276  
157

All of these  
numbers do  
not end with 0

Pop the balloons that are  
divisible by 10?

Correct



Sorry



Sorry



Correct



Great



Sorry



Sorry



Great



Press the balloons to pop them.





Complete the venn diagram. Drag the number to the appropriate circle.



942

455

123

630

205

Divisible by 2

340

494

216

937

788

Divisible by 5

Divisible by 10



